Features

Memory Size :	16k (Non-volatile)
No. of Readings :	15900 (approx)
Resolution :	8 bit
Delayed Start :	Relative / Actual up to 45 days
Stop Options :	When Full After n Readings Never (Wrap around)
Reading Types :	Actual, Min, Max.
Logging Interval :	1 minute to 10 days
Offload :	While stopped or when logging
Alarms :	Two, fully Programmable
Functional Range :	-40°C to +85°C / -40°F to +185°F
IP Rating :	IP65 splashproof
Logger Battery Life :	Up to 5 Years
XP Power output :	12V, 50mA Typ.
XP battery capacity :	2700mAh.

Notes:
Logger Battery replacement is recommended every 2 years. It may be replaced with Saft 3.7V 1/2AA Lithium cells. Stop the unit logging before replacing the logger battery.
XP Batteries: 8 x AA 1.5V Alkaline cells.

Input Specification

Range :	0 to 200mV
Maximum Input :	500mV
Input Impedance :	>10 Megohms
Resolution :	0.8mV
Accuracy :	± 1mV ± 0.5% of reading

Approvals

This equipment complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause any harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This product is manufactured by Gemini Data Loggers (UK) Ltd. to EN ISO 9002 part 2 (Certificate No. 6134), and is CE approved to EN50081 part 1:1992 and EN50082 part 1:1992 with any standard leads or probes supplied.

NAMAS traceable calibration certificates are available on individual units.

Mechanical Data

Case Style : IP65 Brick Style

Case Dimensions

Height :	75mm / 2.95
Width :	75mm / 2.95
Length :	110mm / 4.85
Weight :	700g / 24.7 oz.

Special Notes

When using the unit at low temperatures, condensation may form. Before opening the case for any reason, allow the unit to reach room temperature.

The IP65 rating is only valid when the connector cap and sensor cable are securely fitted.

This logger forms part of the Tinytag Plus Re-educatable range. It can be used with the factory set units, or with Re-Educator Software it can be changed to suit the range and units of the particular sensor to be attached.

Interface Information and Related Products

To use your Tiny Data Logger you will require:
Tinytag volt/XP input lead (CAB-3239) or 5-pin plug only (ACS-9703);
Tinytag interface cable (CAB-0007), PC with GLM for Windows^{TM} (SW-0009) or Easyview for Windows 95^{TM} (SW-0500); or
Psion handheld computer, with Tinylink version 2.0 or above (SW-1101) and suitable cable (See Tinylink Data Sheet)
To change ranges and/or units you will need a PC, with Re-Educator Software V2.2 or above (SW-0506) and interface cable CAB-0007

Further Related Products:

SER-9540	Tinytag Plus Re-ed XP Service Kit including batteries, seal and silica gel pack
TGPR-1000	Tinytag Plus Re-ed mV: PCB only, for OEM use
TGPR-1001	Tinytag Plus Re-ed mV: 0 to 200mV logger
TGPR-0805	Tinytag Plus Re-ed XP mA: 0 to 20 mA logger with internal battery pack for powering customer sensors directly
TGPR-0705	Tinytag Plus Re-ed XP Volt: 0 to 2.5/10/25V logger with internal battery pack for powering customer sensors directly

Applications

Laboratory analysis	Liquid levels	Light	Flow